

| ID | WBS | Task Name | Duration | Start | Finish | Fixed Cost | Cost | Activity | Cost per Unit | <div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div> | | | | | | | | | | | | | | | | | | | |
|----|------|--|-----------|--------------|--------------|----------------|----------------|----------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1 | | 1 ALICE ITS Key Tasks | 0 days | Mon 1/2/17 | Mon 1/2/17 | \$0.00 | \$0.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 2 | 1.1 | ALICE MAPS Production (7/17) | 240 days? | Mon 11/28/16 | Fri 10/27/17 | \$0.00 | \$0.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 3 | 1.2 | ALICE ITS IB FPC Production (9/17) | 135 days | Mon 2/27/17 | Fri 9/1/17 | \$0.00 | \$0.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 4 | 1.3 | ALICE ITS IB Stave Frame Production Ends (1/18) | 240 days? | Wed 2/1/17 | Tue 1/2/18 | \$0.00 | \$0.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 5 | 1.4 | ALICE ITS IB Stave Assembly (3/18) | 266 days | Mon 2/27/17 | Mon 3/5/18 | \$0.00 | \$0.00 | ITS co | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 6 | 1.5 | ALICE ITS Electronics Pre-Production (7/17) | 100 days | Mon 3/13/17 | Fri 7/28/17 | \$0.00 | \$0.00 | ITS Ele | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 7 | 1.6 | ALICE ITS Electronics Production (6/18) | 240 days | Mon 7/31/17 | Fri 6/29/18 | \$0.00 | \$0.00 | ITS Ele | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 8 | | 2 LDRD Milestones & Critical Tasks | 781 days | Mon 10/3/16 | Mon 9/30/19 | \$0.00 | \$0.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 9 | 2.1 | LDRD Start and End | 781 days | Mon 10/3/16 | Mon 9/30/19 | \$0.00 | \$0.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 10 | 2.2 | Complete MoU LANL-ALICE | 0 days | Fri 12/9/16 | Fri 12/9/16 | \$0.00 | \$0.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 11 | 2.3 | Setup ALICE Readout Test Stands | 0 days | Fri 9/15/17 | Fri 9/15/17 | \$0.00 | \$0.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 12 | 2.4 | Preliminary readout design to interface sPHENIX DAQ | 0 days | Wed 11/1/17 | Wed 11/1/17 | \$0.00 | \$0.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 13 | 2.5 | Prototype Test during sPHENIX Test Beam Run | 21 days | Fri 2/1/19 | Fri 3/1/19 | \$0.00 | \$0.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 14 | | 3 LANL LDRD | 781 days | Mon 10/3/16 | Mon 9/30/19 | \$0.00 | \$4,759,568.00 | LANL | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 15 | 3.1 | MOU btw LANL and ALICE for R&D | 50 days | Mon 10/3/16 | Fri 12/9/16 | \$0.00 | \$18,400.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 16 | 3.2 | Obtain Designs from ALICE | 30 days | Mon 12/12/16 | Fri 1/20/17 | \$0.00 | \$82,800.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 20 | 3.3 | Setup Alice Readout Test Stand | 200 days | Mon 12/12/16 | Fri 9/15/17 | \$0.00 | \$135,760.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 23 | 3.4 | Procure R&D ALICE Staves | 195 days | Mon 2/27/17 | Fri 11/24/17 | \$0.00 | \$553,720.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 27 | 3.5 | Procure ALICE Electronics & Cables | 205 days | Mon 12/12/16 | Fri 9/22/17 | \$0.00 | \$150,020.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 45 | 3.6 | Readout R&D | 345 days | Mon 1/23/17 | Fri 5/18/18 | \$0.00 | \$137,840.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 51 | 3.7 | Electronics Final Design Review | 12 days | Mon 5/21/18 | Tue 6/5/18 | \$0.00 | \$25,088.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 55 | 3.8 | Prototype readout assembled and tested | 90 days | Wed 6/6/18 | Tue 10/9/18 | \$0.00 | \$23,760.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 56 | 3.9 | Mechanical Support and Cooling | 200 days | Mon 1/23/17 | Fri 10/27/17 | \$0.00 | \$236,160.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 74 | 3.10 | Prototype Assembly and Test | 90 days | Mon 2/26/18 | Fri 6/29/18 | \$0.00 | \$114,240.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 77 | 3.11 | Mechanical Conceptual Design | 60 days | Mon 7/2/18 | Fri 9/21/18 | \$0.00 | \$18,240.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 78 | 3.12 | Mechanical Conceptual Design Review | 12 days | Mon 9/24/18 | Tue 10/9/18 | \$0.00 | \$33,920.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 82 | 3.13 | Software Tool Development and Analysis | 500 days | Mon 1/23/17 | Fri 12/21/18 | \$0.00 | \$351,200.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 85 | 3.14 | Detector Optimizaation and Physics Simulations (MIE) | 700 days | Mon 10/3/16 | Fri 6/7/19 | \$0.00 | \$946,000.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 88 | 3.15 | Test Beam Operation | 187 days | Fri 1/11/19 | Mon 9/30/19 | \$0.00 | \$132,420.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |
| 93 | 3.16 | Theory R&D | 781 days | Mon 10/3/16 | Mon 9/30/19 | \$1,800,000.00 | \$1,800,000.00 | | \$0.00 | | | | | | | | | | | | | | | | | | | | |